

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claim 1 (Canceled)

2. (Currently Amended) A switched capacitor filter having an anti-aliasing function, comprising:

integration circuits of multiple stages, each having an amplifier and a switched capacitor, and

wherein

the integration circuit of at least a first stage of the integration circuits of multiple stages has a resistor, and

~~the~~a bipolar transistor is provided in an input stage of the amplifier in at least one of the integration circuits having the resistor.

3. (Currently Amended) A switched capacitor filter having an anti-aliasing function, comprising:

integration circuits of multiple-stages, each having an amplifier and a switched capacitor, and

wherein

an integration circuit of at least a first stage of the integration circuits of multiple stages has a ~~resister~~-resistor,

the integration circuits each has a distributed gain so as to maintain a filtering function in each of the multiple-stages of integration circuits, and

an input stage of an amplifier which shows a strong 1/f noise reduction effect includes a bipolar transistor.

4. (Currently Amended) The switched capacitor as set forth in Claim 2, wherein:

the resistor is connected to the input stage of the amplifier, and

the amplifier whose input stage includes the bipolar transistor has an input impedance that is greater than a resistance of the resistor ~~which is connected to the input stage of the amplifier.~~

5. (Previously Presented) The switched capacitor as set forth in Claim 3, wherein:

the amplifier whose input stage include the bipolar transistor has an input impedance that is greater than a resistance of the resistor which is connected to the input stage of the amplifier.

Claim 6 (Canceled)

7. (Original) The switched capacitor filter as set forth in Claim 2, wherein:

the switched capacitor filter is provided on a single substrate.

8. (Original) The switched capacitor filter as set forth in Claim 3, wherein:
the switched capacitor filter is provided on a single substrate.

Claim 9 (Cancelled)

10. (Currently Amended) A digital wireless receiver, ~~wherein comprising:~~
the switched capacitor filter of Claim 2 is used for (i) intermediate frequency band
section of a digital wireless receiver which uses a low-to intermediate frequency IF system, or
(ii) an analog baseband section of a digital wireless communication receiver which uses no
intermediate frequency.

11 (Currently Amended) A digital wireless receiver, ~~wherein comprising:~~
the switched capacitor filter of Claim 3 is used for (i) intermediate frequency band
section of a digital wireless receiver which uses a low-to intermediate frequency IF system, or
(ii) an analog baseband section of a digital wireless communication receiver which uses no
intermediate frequency.